

UNITED STATES PLANT PATENT APPLICATION

of

L. PERNILLE AND MOGENS N. OLESEN

for

COMPACT FLORIBUNDA ROSE PLANT
NAMED

'POULac015'

SUMMARY OF THE INVENTION

BOTANICAL CLASSIFICATION

Rosa hybrida

VARIETY DENOMINATION

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'POULac015'

The present invention constitutes a new and distinct variety of compact floribunda rose plant which originated from a controlled crossing between 'KORstoffein',
10 described and illustrated in U.S. Plant Patent No. 11,242 issued on 22 February, 2000 and an unnamed plant. The two parents were crossed and the resulting seeds were planted in a controlled environment. The new variety is named 'POULac015'.

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The new rose may be distinguished from its seed parent, 'KORstoffein', by the following combination of characteristics:

1. The seed parent has 25-30 petals, while 'POULac015' has 65.
- 20 2. The upper sides of the petals are Yellow-Orange Group 19C except the innermost petals are Yellow-Orange Group 21C, while 'POULac015' is

The new variety may be distinguished from its pollen

parent, an unnamed seedling, created by the same
inventors, by the following combination of
characteristics:

1. While the pollen parent has more than 25
5 petals, 'POULac015' has between 15 and 25
petals.
2. The flower color of pollen parent is dark
red, while 'POULac015' flower color
is medium pink.

10 The objective of the hybridization of this rose
variety for commercial culture was to create a new and
distinct variety with unique qualities, such as:

1. Uniform and abundant flowers;
- 15 2. Vigorous and compact growth;
3. Year-round flowering under glasshouse
conditions;
4. Suitability for production from softwood
cuttings in pots;
- 20 5. Durable flowers and foliage which make a
variety suitable for distribution in the
floral industry.

This combination of qualities is not present in

previously available commercial cultivars of this type, known to the inventors, and distinguish 'POULac015' from all other varieties of which we are aware.

As part of their rose development program, L.

5 Pernille Olesen and Mogens N. Olesen germinated the seeds from the aforementioned hybridization and conducted evaluations on the resulting seedlings in a controlled environment in Fredensborg, Denmark.

10 'POULac015' was selected by the inventors as a single plant from the progeny of the hybridization in 1998.

Asexual reproduction of 'POULac015' by cuttings and traditional budding was first done by L. Pernille and Mogens N. Olesen in their nursery in Fredensborg, Denmark
15 in Spring 1999. This initial and other subsequent propagations conducted in controlled environments have demonstrated that the characteristics of 'POULac015' are true to type and are transmitted from one generation to the next.

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BRIEF DESCRIPTION OF THE DRAWING

The accompanying color illustration shows as true as is reasonably possible to obtain in color photographs of this type, the typical characteristics of the buds,

flowers, leaves, and stems of 'POULac015'. Specifically illustrated in THE DRAWING:

- 5 Fig 1.1; Open flower viewed from above, and
open flower viewed from the side
showing sepals and peduncle;
- Fig 1.2; Flower bud, partially opened bud, and
open;
- Fig 1.3; Flower petals, detached;
- Fig 1.4; Sepals, receptacle, and pedicel;
- 10 Fig 1.5; Mature leaf, juvenile leaves
exhibiting anthocyanin;
- Fig 1.6; Bare stem exhibiting thorns.

DETAILED DESCRIPTION OF THE VARIETY

15 The following is a description of 'POULac015', as
observed in its growth in glasshouses in Burlington,
Canada. Plants are grown in 15 cm pots and are 10 weeks
of age. Color references are made using the Royal
20 Horticultural Society (London, England) Colour Chart,
1995, except where common terms of color are used.

 For a comparison, several physical characteristics
of the rose variety 'POULac001', a rose variety from the
same inventors described and illustrated in U.S. Plant

Patent No. 13,272 and issued on 26 November, 2002 are compared to 'POULac015' in Chart 1.

CHART 1

5		'POULac015'	'POULac001'
	General Tonality	Red-Purple Group 63B to 57C.	Red Group 55C.
	Petalage	65.	25.
10	Bloom diameter	50 mm.	80 to 90 mm.

Parents:

Female: 'KORstoffein'

Male: Unnamed plant.

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FLOWER AND FLOWER BUD

Blooming habit: Continuous.

Flower bud:

20 Size: Upon opening, 17 mm in length
from base of receptacle to end
of bud.

Bud form: Globular.

Bud color: As sepals unfold, Red-Purple
Group 58A to 58B. Red-Purple

Group 57B to 57C at $\frac{1}{4}$ opening.

Sepals: Green Group 137B. Medium
 foliaceous appendages on three
 of the five sepals. Surfaces
 of sepals slightly pubescent.
 Stipitate glands are scant.

Shape: Sepal apex is cirrhose.
 Foliaceous appendages cause
 general sepal shape to broaden
 at the apex on 3 of the 5
 sepals. Base is flat at union
 with peduncle.

Size: 31 mm (l) x 9 mm (w).

Receptacle:

Surface: Smooth and glabrous.

Shape: Urn-shaped.

Size: 5 mm (h) x 6 mm (w).

Color: Yellow-Green Group 144A.

Peduncle:

Surface: Smooth and glabrous.

Strength: Strong.

Borne: Singularly.

Anthocyanin: None observed.

Flower bloom:

Fragrance: Light rose scent.

Duration: As a pot plant, flowers last
from 10 to 13 days. Petals
fall cleanly away from plant.

Size: Average flower diameter is 50
mm when open.

Form: General form.

Shape of flower when viewed from the side:

Upon opening, upper part: Flat.

Upon opening, lower part: Flattened
convex.

Open flower, upper part: Convex.

Open flower, lower part: Very
concave.

Petalage: 65 petals on average.

Color:

Upon opening, petals:

Outermost petals:

Outer Side: Red-Purple Group 57B.

Inner Side: Red-Purple Group 57B.

Innermost petals:

Outer Side: Red-Purple Group 57B.

Inner Side: Red-Purple Group 57B.

Upon opening, basal petal spots

Outermost petals:

5 Outer Side: Yellow Group 5C.

Inner Side: Yellow Group 5B.

Innermost petals:

Outer Side: Yellow Group 5C.

Inner Side: Yellow Group 5B.

10 After opening, petals:

Outermost petals:

Outer Side: Red-Purple Group 63B
with variegated
intonations of White
Group 155B.

15 Inner Side: Red-Purple Group 63B.

Innermost petals:

Outer Side: Red-Purple Group 63B
with variegated
intonations of White
Group 155B.

20 Inner Side: Red-Purple Group 63B.

After opening, basal petal spots:

Outermost petals:

Outer Side: White Group 155B.

Inner Side: White Group 155B.

Innermost petals:

Outer Side: White Group 155B.

Inner Side: White Group 155B.

General Tonality: On open flower Red-Purple Group
63B to 57C. No change in the
general tonality at the end of
the 5th day. Afterwards,
general tonality is Red-Purple
Group 63C.

Petals:

Petal Reflex: Strongly.

Petal Edge: Entire with point in center of
margin.

Shape:

Apex: Round.

Base: Round.

Petaloids:

Quantity: 10 to 20.

Size: 21 mm long; 24 mm wide.

Shape: Ovoid to irregular with

curvatures.

Thickness: Thick.

Arrangement: Not formal.

Texture: Smooth.

5 **Reproductive Organs:**

Pistils:

Length: 6 mm long.

Quantity: 30 (actual count.)

Pollen: None observed.

10 Anthers:

Size: 2 mm long.

Color: Greyed-Yellow Group 160B.

Quantity: 47 (actual count.)

Filaments:

15 Color: Yellow Group 40 with
intonations of Red-Purple
Group 58C.

Length: 5 mm.

Stigmas: Superior in location to
anthers.

20 Color: Greyed-Yellow Group 162D.

Styles:

Color: Yellow Group 4D.

Seed formation:

Not observed.

PLANT

Plant growth: Vigorous, compact, upright to bushy.

5 When grown as a 15 cm pot plant, the
average height of the plant itself is
20 cm and the average width is 18 cm.

Stems:

10 Color:

Young wood: Yellow-Green Group 146A.

Older wood: Yellow-Green Group 146A.

Thorns: None observed.

Stem Size: Average length: 17 mm.

15 Average diameter: 3 mm.

Surface:

Young wood: Smooth.

Older wood: Smooth.

20 **Plant foliage:** Normal number of leaflets on leaves
in middle of the stem: 5 leaflets.

Leaf size: 56 mm (l) x 33 mm (w)

Quantity: 1 leaf per 5 cm on average.

Color:

Upper Leaf Surface: Yellow-Green
Group 146A to
147A.

5 Lower Leaf Surface: Yellow-Green
Group 138B.

Juvenile foliage:

Upper Leaf Surface: Yellow-Green
Group 144A.

10 Lower Leaf Surface: Yellow-Green
Group 144A.

Anthocyanin:

Location: Underside and leaf
margins.

15 **Plant leaves and leaflets:**

Stipules:

Size: 5 mm.

Presence of stipitate glands: Medium.

Anthocyanin: None observed.

20 Petiole:

Length: 18 mm.

Color: None.

Underneath: Thorns and stipitate
glands observed.

Rachis:

Size: 30 mm in length.
Underneath: Thorns and stipitate
glands observed.
Anthocyanin: None.

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Leaflet:

Edge: Serrated.
Shape: Generally broad based to
ovate.
Base: Round.
Apex: Round.
Texture: Smooth and moderately
glossy.
Arrangement: Odd pinnate.
Venation: Reticulate.

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Disease resistance:

Average resistance to mildew, black spot, and
Botrytis under normal growing conditions in Burlington,
Canada, and Fredensborg, Denmark.